

## Niax B-4 Tertiary Amine Catalyst Momentive

### Overview:

Niax Catalyst B-4 tertiary amine catalyst;

Niax Catalyst B-4 is a liquid, low odor, water soluble tertiary amine available in compositions for the production of flexible polyether based polyols. Niax catalytically active catalysts B-4 can be added as separate streams or mixed with water, polyols, etc. for metering into the foam of the mixing chamber machine Niax catalysts B-4 are intermediates at high activity between active materials, such as Niax catalyst A-1, and moderately active catalysts, such as Niax catalyst A-33.

Niax catalyst B-4 provides excellent gelation between the equilibrium and blowing reactions. In this report Niax catalyst B-4 functions excellently as the only amine wide catalyst for flexible foam formulations.

The data provided in this report show the performance of a typical feature of a slabstock flexible polyurethane foam formulation containing Niax Catalyst B-4.

### Key Features and Typical Benefits

Niax Catalyst B-4 exhibits wide tin

Catalyst operating latitude

improved processability

and lower scrap rates

Niax Catalyst B-4 can be used

cube production on

Hennecke or Maxfoam machines

Niax Catalyst B-4 exhibits medium

catalytic activity

### Typical physical properties.

Forming liquid

Viscosity at 20°C, cSt 4.4

Fully dissolved in water at 20°C

Flash point, Pensky-Martens closed cup (ASTM D 93), °C 44

Freezing point, °C < -75

Polyether polyol 3500 MW (1) 100 100

Water 2.5 4.5

Niax catalyst B-4 0.30 0.15

Stannous octanoate 0.20 0.18

Niax silicone L-620LV 0.60 0.90

TDI 80/20, (Index) (105) (108)

Reactivity

Creaming time, s 12 12

Rise time, s 112 104

Physical properties

Density, kg/m<sup>3</sup> 35.3 21.4

Nopco air porosity, scfm 3.5 7.4



### Package

Packed in clean, dry, sealed and leak-free special plastic drums with a net weight of 20kg/25kg/180kg per drum.

### Storage and transportation

When transporting Catalyst, it should be strictly protected from rain and staining, carefully and gently stored to prevent leakage from collision with hard objects. When storing Catalyst, it should be stored at room temperature in a ventilated and dry warehouse, avoiding humid environment, and the storage temperature should be kept below 25°C, avoiding sunlight as much as possible, and away from water and heat sources. To prevent moisture absorption and oxidation, it is recommended to fill the container with nitrogen.

### **Shelf life**

Under proper storage conditions, the shelf life is 6 months from the date of manufacture, after which the product can be used after retesting.

### **Safety Information**

Catalyst is somewhat toxic and should be rinsed with soapy water promptly after contact with skin. Staff can wear eye protection or safety glasses for the purpose of eye protection. Eye wash and drenching equipment should be provided near the workplace. When working in places where contact with the product is possible, attention should be paid to personal hygiene and the skin in contact with the product should be washed with washing products before eating, smoking and leaving the workplace.

### **Leak handling**

Stop spills as much as possible while ensuring safety. If a minor spill is found, treat it with sand or other absorbent material and place it in a clean, dry container for subsequent disposal. If a large spill occurs, the spilled material should be collected for subsequent disposal. Avoid entering groundwater or surface water as the material is not readily biodegradable. All collected spilled material should be disposed of in accordance with local environmental regulations.

### **Disclaimers**

The information and technical advice provided above has been obtained from our reliable sources, however, we make no express or implied warranties with respect to the data provided and make no promises herein. If our products are to be used, we recommend that they undergo a series of tests. The application, use, processing or production of products based on the technical information provided by us is beyond our control and therefore these responsibilities are the responsibility of the user. The condition and method of handling, storage, use or disposal of this product is beyond our control and may be beyond our knowledge, and in no event will we be liable for loss, damage or costs associated with the improper handling, storage, use or disposal of this chemical. For more information, please review the technical safety sheets for our products or contact our marketing services department.

### **Uses:**

Promotes the reaction of hydroxyl functional groups with NCO

### **Safety Information:**

Catalyst is somewhat toxic and should be rinsed promptly with soapy water after contact with skin. Staff may wear eye protection or safety glasses for eye protection purposes. Eye wash and drenching equipment should be provided near the workplace. When working in places where contact with the product is possible, attention should be paid to personal hygiene and the skin in contact with the product should be washed with washing products before eating,

smoking and leaving the workplace.

**Shelf life.**

Keep unopened,two years

**Storage and transportation:**

Should be kept sealed and stored in a dry, cool and ventilated warehouse

**Packaging:**

200KG/drum Storage: It is recommended to store in dry and cool area with proper ventilation. Please fasten the lid as soon as possible after the original packaging to prevent the mixing of other substances such as water and other substances from affecting the product performance. Do not inhale dust and avoid skin and mucous membrane contact. Smoking, eating and drinking are prohibited in the workplace. After work, shower and change clothes. Store contaminated clothes separately and wash them before use. Maintain good hygiene habits.

**Technical support and business contacts E-mail: [info@newtopchem.com](mailto:info@newtopchem.com)**